

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
28 April 2005 (28.04.2005)

PCT

(10) International Publication Number
WO 2005/037605 A3

(51) International Patent Classification⁷: **A47C 1/08**

(21) International Application Number:
PCT/US2004/033239

(22) International Filing Date: 8 October 2004 (08.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/510,633 10 October 2003 (10.10.2003) US
60/539,399 27 January 2004 (27.01.2004) US
60/550,350 5 March 2004 (05.03.2004) US

(71) Applicant (for all designated States except US): **INDIANA MILLS & MANUFACTURING, INC.** [US/US];
18881 U.S. 31 North, P.O. Box 408, Westfield, IN 46074-0408 (US).

(72) Inventors; and

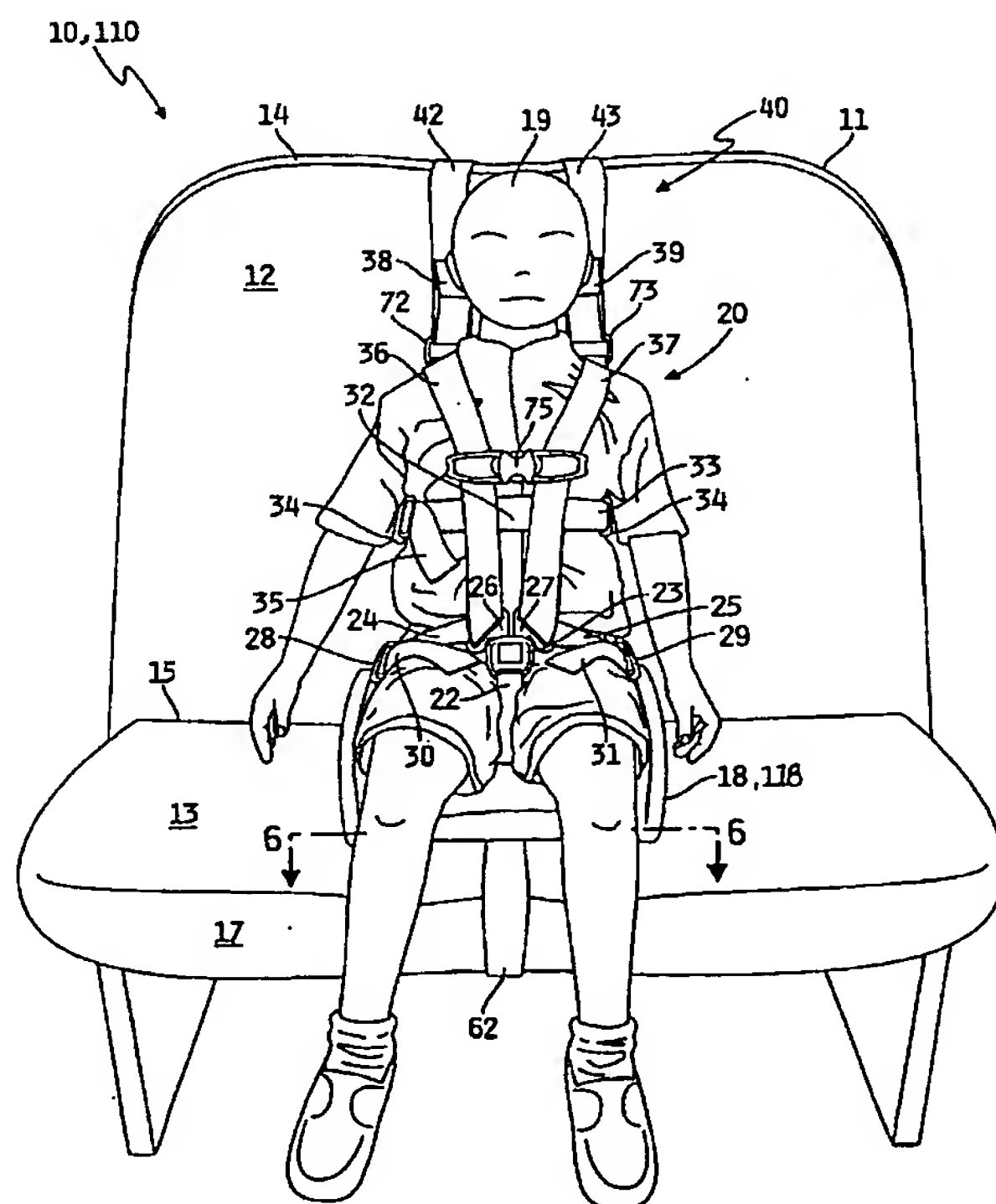
(75) Inventors/Applicants (for US only): **BOYLE, Donald, C.** [US/US]; 6650 Mossy Rock Lane, Indianapolis, IN 46237 (US). **WISEMAN, Michael, A.** [US/US]; 1233 Wood Sage Drive, Avon, IN 46123 (US). **WOELLERT, Thomas, P.** [US/US]; 5869 Echoway, Indianapolis, IN 46278 (US). **ANTHONY, James, T.** [US/US]; 7212 East 161st Street, Noblesville, IN 46060 (US).

(74) Agent: **MICHAEL, Jeffrey, A.**; Barnes & Thornburg LLP, 11 South Meridian Street, Indianapolis, IN 46204 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,

[Continued on next page]

(54) Title: **VEHICLE SAFETY RESTRAINT SYSTEM**



(57) Abstract: A vehicle safety restraint system comprises a portable base having a mounting assembly and a restraint assembly. The portable base may be a booster seat. The mounting assembly mounts the base to the seat of a vehicle and the restraint assembly restrains an occupant of the base. The mounting assembly may wrap around at least a portion of the vehicle seat to mount the booster seat to the vehicle. The restraint assembly may comprise a five-point or a four-point restraint and may include a lateral support assembly. The restraint assembly may further include a torso support assembly. A method of mounting a portable base to a vehicle seat is provided.



PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
24 November 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.